UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,108	11/18/2003	Mark A. Alcazar	MS1-1799US	6123

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EXAMINER
HOANG, PHUONG N

ART UNIT	PAPER NUMBER
2194	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
Office Action Summary		10/716,108	ALCAZAR ET AL.
		Examiner	Art Unit	
		Phuong N. Hoang	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *10 September 2007*.

2a)☒ This action is **FINAL.**   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle,* 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1 - 2, 4 - 26* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1 - 2, 4 - 26* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

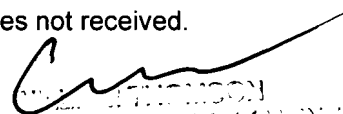8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

SUPERVISORY PATENT EXAMINER

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date *9/10/07*.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

DETAILED ACTION

1.   Claims 1 – 26 are pending for examination.

2.   This office action is in response to amendment filed 9/10/07.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   **Claims 1, 5, 11 – 13, 19 – 24 are rejected under 35 U.S.C. 102(e) as being**

anticipated by Bharat, US patent no. 6,810,395.

5.   **As to claim 1**, Brarat teaches a software architecture for executing a software

application, comprising:

a first set of application programming interfaces when implemented and executed

by the computing device, configured to support the execution of the application within

the web software architecture (web application, abstract and col. 1 – 2);

a second set of application programming interfaces when implemented and

executed by the computing device, configured to support navigation-related activities of

the web software application (web browser, figures 6, 7a&b, 8a&b, and 10);

wherein states of the web software application are persistent in an execution

environment during execution (cookies are persistent and save their state on the user's

hard disk, and available to scripts executing with from the same site, figure 10 and

associated text) and made accessible via run-time objects (inherent in running web

application) to the resources of the web software application by the first and second

sets of application programming interfaces.

6.   **As to claim 5**, Bharat teaches wherein the first set of application programming

interfaces comprises a Windows collection in which is stored information that identifies

one or more windows that are used in connection with the software application (figures

2b and associated text, and col. 9 lines 1 - 7).

7.   **As to claims 11 - 13**, Bharat teaches wherein the second set of application

programming interfaces comprises a set of events related to the occurrence of a

navigation by the software application (events, col. 10).

8.   **As to claim 19**, Bharat teaches a computer-readable medium having computer-

executable components for supporting the execution of an application, the components

comprising:

an application programming interface exposed by the software application (web

application, abstract and col. 1 – 2), the application programming interface including:

a Properties collection in which is stored information about a state (cookies

provide persistent storage and save their state, figure 10 and associated text) of the

software application during execution;

StartUpURI property that specifies the resource to which the web software

application navigates upon being launched (when the cookies access log ..... displayed,

figure 10 and associated text, especially col. 10 lines 1 - 5);

Wherein the properties collection and startupURI property are persistent in an

executing environment and made accessible via run-time objects to the resources of the

web software application (cookies are persistent and can be accessed to retrieve data

in persistent storage, and the run-time objects are inherent in web environment, figures

10 and associated text).

9.   **As to claims 20 - 21**, Bharat teaches wherein the resource comprises a markup

based page (col. 5).

10.   **As to claims 22 – 24**, see rejection for claims 11 – 13 above.

Claim Rejections - 35 USC § 103

11.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

12.   **Claims 2 – 4, 6 – 10, 14 - 15 rejected under 35 U.S.C. 103(a) as being unpatentable over Bharat, US patent no. 6,810,395 in view of Natori, US patent no. 6,684,383.**

13.   **As to claim 2**, Bharat does not explicitly teach wherein the first set of application programming interfaces comprises an OnStartingUp..

Natori teaches the startup method (web system …. Starting and ending, col. 21 lines 62 – col. 22 lines 10).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teaching of Bharat and Natori's system because the starting is obvious when executing the application.

14.   **As to claims 3 - 4**, Natori teaches wherein the first set of application

programming interfaces comprises an OnShutDown (web system .... Starting and

ending, col. 21 lines 62 – col. 22 lines 10) method that includes executable instructions

that are executed when the software application is being shut down.

15.   **As to claim 6**, Bharat modify by Natori teaches wherein the first set of

application programming interfaces comprises a Resources property that specifies

resources that apply to pages within an extent of the software application (Natori;

figures 6 – 9).

16.   **As to claim 7**, Natori teaches wherein the second set of application

programming interfaces comprises a Properties collection in which is stored information

about a state (persistent state, figure 10 and associated text) of the software application

during execution.

17.   **As to claim 8**, Bharat modify by Natori teaches wherein the second set of

application programming interfaces comprises a StartUpURI property that specifies a

resource to which the software application navigates upon being launched (Natori, col. 5

lines 10 – 45 and col. 9 lines 42 – 65).

18.   **As to claims 9 - 10**, Bharat teaches wherein the resource comprises a markup

based page (col. 5).

19.   **As to claim 14**, Bharat and Natori do not explicitly teach the events comprise a

NavigationError event indicative of the occurrence of an error during the navigation.

It would have been obvious to one of ordinary skill in the art at the time the

invention was made recognize that the error events would happen when users clicks on

the non-available web pages.

20.   **As to claim 15**, Bharat and Natori do not explicitly teach wherein the set of

events comprises a NavigationProgress event that is raised periodically during the

navigation to enable information about the navigation to be discerned.

It would have been obvious to one of ordinary skill in the art at the time the

invention was made recognize that the NavigationProgress event would trigger when

the query is running.

21.   **Claims 16 - 18 are rejected under 35 U.S.C. 103(a) as being unpatentable**

over Natori, US patent no. 6,684,383 in view of Bharat, US patent no. 6,810,395.

22.   **As to claim 16**, Natori teaches a computer-readable medium having computer-

executable components for supporting the execution of a software application, the

components comprising:

an application programming interface exposed by the software application (col. 8

lines 5 – 20, col. 21 lines 62 – col. 22 lines 10), the application programming interface

including:

StartingUp method (web system .... Starting and ending, col. 21 lines 62 – col.

22 lines 10) that includes executable instructions that are executed when the software

application is being launched;

ShutDown method that includes executable instructions that are executed when

the software application is being shut down (web system .... Starting and ending, col. 21

lines 62 – col. 22 lines 10); and a ShutDown method that, when called, is operative to

cause the software application to shut down.

Natori does not explicitly teach the steps of the states of the web software

application to be saved and load when startup and shutdown method called, and the

states are persistent in an execution environment and made accessible via run-time

objects to the resources of the web software applications.

Bharat teaches the states of the web software application to be saved and load

when startup and shutdown method called, and the states are persistent in an execution

environment (cookies are persistent and save their state on the user's hard disk, and available to scripts executing with from the same site, figure 10 and associated text) and made accessible via run-time objects (inherent in running web application) to the resources of the web software applications.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teaching of Natori and Bharat's system because the cookies saving the persistent states of the web application would minimize the communication back and forth between client and server for providing data and therefore, it would save the space in the server and the system would run more efficient and quicker.

23.   **As to claim 17**, Natori teaches window collection (screen, figure 14 and associated text).

24.   **As to claim 18**, Bharat teaches a Resources property that specifies resources that apply to pages (pages, col. 5) within an extent of the software application.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teaching of Natori and Bharat's system because the resource property would provide information for the application to browse the pages.

25.   Claims 25 – 26 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Bharat, US patent no. 6,810,395.

26.   **As to claim 25**, Bharat does not explicitly teach the events comprise a

NavigationError event indicative of the occurrence of an error during the navigation.

It would have been obvious to one of ordinary skill in the art at the time the

invention was made recognize that the error events would happen when user clicks on

the non-available web pages.

27.   **As to claim 26**, Bharat does not explicitly teach wherein the set of events

comprises a NavigationProgress event that is raised periodically during the navigation

to enable information about the navigation to be discerned.

It would have been obvious to one of ordinary skill in the art at the time the

invention was made recognize that the NavigationProgress event would trigger when

the query is running.

Response to Arguments

28.   Applicant's arguments, have been considered but are moot in view of the new

ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

29.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong N. Hoang whose telephone number is (571)272-3763. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on 571-272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ph
November 23, 2007

SUPERVISOR